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1 **Defending wireless infrastructure against the challenge of DDoS attacks**
   Xianjun Geng, Yun Huang, Andrew B. Whinston
   June 2002   Mobile Networks and Applications, Volume 7 Issue 3
   Publisher: Kluwer Academic Publishers
   Full text available: 📄 pdf(313.57 KB)   Additional Information: full citation, abstract, references, cited by, index te

   Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 152,   Citation Count: 3

      This paper addresses possible Distributed Denial-of-Service (DDoS) attacks toward the wireless
      including the Wireless Extended Internet, the Wireless Portal Network, and the Wireless Ad Hoc
      We propose a conceptual model for defending ...

      Keywords: DDoS attack, PBN, wireless ad hoc network, wireless extended internet, wireless
      infrastructure, wireless portal network

2 **A simple mechanism for capturing and replaying wireless channels**
   ⬧ Glenn Judd, Peter Steenkiste
   August 2005 E-WIND '05: Proceedings of the 2005 ACM SIGCOMM workshop on Experimental appr
                 wireless network design and analysis
   Publisher: ACM
   Full text available: 📄 pdf(6.06 MB)   Additional Information: full citation, abstract, references, cited by, index te

   Bibliometrics: Downloads (6 Weeks): 28,   Downloads (12 Months): 446,   Citation Count: 1

      Physical layer wireless network emulation has the potential to be a powerful experimental tool. /
      important challenge in physical emulation, and traditional simulation, is to accurately model the
      channel. In this paper we examine the possibility ...

      Keywords: channel capture, emulation, wireless

3 **Communications of the ACM: Volume 51 Issue 1**
   ⬧ January 2008 issue   Volume 51 Issue 1
   Publisher: ACM
   Full text available: 📄 pdf(5.97 MB) 📄 digital edition(.00 bytes) Additional Information: full citation, index terms
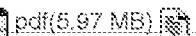
   Bibliometrics: Downloads (6 Weeks): 488,   Downloads (12 Months): 1076,   Citation Count: 0

4 Communications of the ACM: Volume 51 Issue 2
February 2008 issue   Volume 51 Issue 2
Publisher: ACM
Full text available: pdf(3.89 MB) digital edition(.00 bytes) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 385,   Downloads (12 Months): 645,   Citation Count: 0

5 A guided tour to approximate string matching
Gonzalo Navarro
March 2001 ACM Computing Surveys (CSUR),   Volume 33 Issue 1
Publisher: ACM
Full text available: pdf(1.19 MB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 105,   Downloads (12 Months): 1073,   Citation Count: 70

We survey the current techniques to cope with the problem of string matching that allows errors
becoming a more and more relevant issue for many fast growing areas such as information retri
computational biology. We focus on online searching ...

Keywords: Levenshtein distance, edit distance, online string matching, text searching allowing

6 Proceedings of the conference on Design, automation and test in Europe
Rudy Lauwereins, Jan Madsen
April 2007   proceeding
Publisher: EDA Consortium
Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Citation Count: 0

Welcome to the DATE 07 Conference Proceedings. DATE combines the world's leading electronic
design conference and Europe's leading international exhibition for electronic design, automatior
from system level hardware and software implementation ...

7 TimeSpace: activity-based temporal visualisation of personal information spaces
Aparna Krishnan, Steve Jones
January 2005 Personal and Ubiquitous Computing,   Volume 9 Issue 1
Publisher: Springer-Verlag
Full text available: pdf(607.42 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 15,   Downloads (12 Months): 132,   Citation Count: 1

Users' personal information spaces are characterized by their content, organisation, and ongoing
interaction with them. They are fluid entities, evolving over time, and supporting multiple user a
that may require different perspectives ...

Keywords: Information management, Personal information spaces, Visualisation

8 A generic component model for building systems software
Geoff Coulson, Gordon Blair, Paul Grace, Francois Taiani, Ackbar Joolia, Kevin Lee, Jo Ueyama,
Thirunavukkarasu Sivaharan
February 2008 ACM Transactions on Computer Systems (TOCS),   Volume 26 Issue 1
Publisher: ACM

Full text available: pdf(603.88 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 280,   Downloads (12 Months): 280,   Citation Count: 0

Component-based software structuring principles are now commonplace at the application level; componentization is far less established when it comes to building low-level systems software. A there have been pioneering efforts in applying componentization ...

Keywords: Component-based software, computer systems implementation

9   The effects of asymmetry on TCP performance
Hari Balakrishnan, Randy H. Katz, Venkata N. Padmanbhan
October 1999 Mobile Networks and Applications,   Volume 4 Issue 3
Publisher: Kluwer Academic Publishers
Full text available: pdf(382.76 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 77,   Citation Count: 6

In this paper, we study the effects of network asymmetry on end-to-end TCP performance and s techniques to improve it. The networks investigated in this study include a wireless cable moder and a packet radio network, both of which can ...

10 WiFiProfiler: cooperative diagnosis in wireless LANs
Ranveer Chandra, Venkata N. Padmanabhan, Ming Zhang
June 2006   MobiSys '06: Proceedings of the 4th international conference on Mobile systems, appl services
Publisher: ACM
Full text available: pdf(404.12 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 121,   Citation Count: 1

While 802.11-based wireless hotspots are proliferating, users often have little recourse when the does not work or performs poorly *for them*. They are left trying to manually debug the problem, be a frustrating and disruptive ...

Keywords: 802.11, fault diagnosis, peer-to-peer performance problems, wireless networks

11 Ubiquitous computing in the real world: lessons learnt from large scale RFID deployments
Shin'Ichi Konomi, George Roussos
October 2007 Personal and Ubiquitous Computing,   Volume 11 Issue 7
Publisher: Springer-Verlag
Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Citation Count: 0

Ubiquitous computing technologies are slowly finding their way into commercial information syst are often constructed at considerably larger scale compared to what is possible in research dem Furthermore, lengthy and costly preparation ...

12 Fairness and load balancing in wireless LANs using association control
Yigal Bejerano, Seung-Jae Han, Li (Erran) Li
September 2004 MobiCom '04: Proceedings of the 10th annual international conference on Mobile c and networking

Publisher: ACM
Full text available: pdf(377.05 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 33,   Downloads (12 Months): 329,   Citation Count: 9

> Recent studies on operational wireless LANs (WLANs) have shown that user load is often unever distributed among wireless access points (APs). This unbalanced load results in unfair bandwidth among users. We observe that the unbalanced load ...
>
> Keywords: IEEE 802.11, approximation algorithms, load balancing, max-min fairness, wireless networks (WLAN)

13 Supporting configurability in a mixed-media environment for design students
Thomas Binder, Giorgio De Michelis, Michael Gervautz, Giulio Jacucci, Kresimir Matkovic, Thomas P Wagner
September 2004 Personal and Ubiquitous Computing, Volume 8 Issue 5
Publisher: Springer-Verlag
Full text available: pdf(573.71 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 55,   Citation Count: 4

> In many environments, the landscape of space and artefacts is evolving and changing with the t hand. Integrating digital media and computation in these environments has to take into account that people will configure space functions and ...
>
> Keywords: Boundary objects, Configurability, Mixed media environments, Mixed objects, Physi interfaces

14 Joint channel assignment and routing for throughput optimization in multi-radio wireless me networks
Mansoor Alicherry, Randeep Bhatia, Li (Erran) Li
August 2005 MobiCom '05: Proceedings of the 11th annual international conference on Mobile com networking
Publisher: ACM
Full text available: pdf(391.93 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 89,   Downloads (12 Months): 809,   Citation Count: 13

> Multi-hop infrastructure wireless mesh networks offer increased reliability, coverage and reduce equipment costs over their single-hop counterpart, wireless LANs. Equipping wireless routers wi radios further improves the capacity by transmitting ...
>
> Keywords: approximation algorithm, graph theory, mathematical programming, wireless mesh

15 Building realistic mobility models from coarse-grained traces
Jungkeun Yoon, Brian D. Noble, Mingyan Liu, Minkyong Kim
June 2006   MobiSys '06: Proceedings of the 4th international conference on Mobile systems, appl services
Publisher: ACM
Full text available: pdf(671.92 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 126,   Citation Count: 1

> In this paper we present a trace-driven framework capable of building realistic mobility models f simulation studies of mobile systems. With the goal of realism, this framework combines coarse wireless traces, i.e., association data between ...

Keywords: statistical mobility model

16 The embedded software consortium of taiwan
Tai-Yi Huang, Chung-Ta King, Youn-Long Steve Lin, Yin-Tsung Hwang
August 2005 ACM Transactions on Embedded Computing Systems (TECS), Volume 4 Issue 3
Publisher: ACM
Full text available: pdf(422.96 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 153, Citation Count: 2

The advancement of semiconductor manufacturing technology makes it practical to place a tradi
board-level embedded system on a single chip. The evolvement of system-on-chip (SoC) techni(
presents new challenges for integrated circuit designs ...

Keywords: Embedded software, educational curricula, integrated circuit design

17 J-Sim: A Simulation Environment for Wireless Sensor Networks
Ahmed Sobeih, Wei-Peng Chen, Jennifer C. Hou, Lu-Chuan Kung, Ning Li, Hyuk Lim, Hung-Ying Tya
Zhang
April 2005   ANSS '05: Proceedings of the 38th annual Symposium on Simulation
Publisher: IEEE Computer Society
Full text available: pdf(278.29 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 41, Downloads (12 Months): 277, Citation Count: 1

Wireless Sensor Networks (WSNs) have gained considerable attention in the past few years. As
has been an increasing need for defining and developing simulation frameworks for carrying out
fidelity WSN simulation. In this paper, we present ...

18 Accelerometer-based gesture control for a design environment
Juha Kela, Panu Korpipää, Jani Mäntyjärvi, Sanna Kallio, Giuseppe Savino, Luca Jozzo, Di Marca
July 2006   Personal and Ubiquitous Computing, Volume 10 Issue 5
Publisher: Springer-Verlag
Full text available: pdf(497.96 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 300, Citation Count: 3

Accelerometer-based gesture control is studied as a supplementary or an alternative interaction
Gesture commands freely trainable by the user can be used for controlling external devices with
wireless sensor unit. Two user studies ...

Keywords: Accelerometer, Gesture control, Gesture recognition, Mobile device, Multimodal inte

19 Distributed interface bits: dynamic dialogue composition from ambient computing resource:
Anthony Savidis, Constantine Stephanidis
May 2005   Personal and Ubiquitous Computing, Volume 9 Issue 3
Publisher: Springer-Verlag
Full text available: pdf(1.70 MB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 61, Citation Count: 2

This paper discusses a particular issue in the context of disappearing computing, namely, user n
Mobile users may carry with them a variety of wireless gadgets while being immersed in a physi
environment encompassing numerous computing devices. ...

Keywords: Abstract dialogue elements, Adaptive interaction, Ambient dialogues, Dynamic user composition, Wearable interfaces

20　Creating innovative new media programs: need, challenges, and development framework

Nalin K. Sharda

September 2007　Emme '07: Proceedings of the international workshop on Educational multimedia a multimedia education

Publisher: ACM

Full text available: pdf(372.68 KB)　　　　　　　Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 8,　Downloads (12 Months): 132,　Citation Count: 0

This paper presents a framework for creating innovative New Media programs. Demand for tradi Computer Science and Information Technology (CS/IT) programs has gone down in recent years multimedia applications have grown exponentially ...

Keywords: creativity, innovation, multimedia education, problem based learning, story-centred

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